

Title (en)

CHIP SET-UP AND HIGH-ACCURACY NUCLEIC ACID SEQUENCING

Title (de)

CHIP-SETUP UND HOCHGENAUE NUKLEINSÄURESEQUENZIERUNG

Title (fr)

CONFIGURATION DE PUCE ET SÉQUENÇAGE D'ACIDE NUCLÉIQUE À HAUTE PRÉCISION

Publication

**EP 2861768 A1 20150422 (EN)**

Application

**EP 13804403 A 20130614**

Priority

- US 201261660537 P 20120615
- US 201261660543 P 20120615
- US 201361771031 P 20130228
- US 2013046012 W 20130614

Abstract (en)

[origin: WO2013188841A1] The present disclosure provides devices, systems and methods for sequencing nucleic acid molecules. Nucleic acid molecules can be sequenced with a high accuracy (e.g., greater than 97% in a single pass) using a chip comprising an array of independently addressable nanopore sensors at a density of at least about 500 sites per 1 mm. An individual nanopore sensor can include a nanopore in a membrane that is adjacent or in proximity to a sensing electrode.

IPC 8 full level

**C12Q 1/68** (2006.01); **G01N 33/48** (2006.01); **G01N 33/53** (2006.01)

CPC (source: CN EP GB US)

**C12Q 1/6869** (2013.01 - CN EP GB US); **G01N 27/44791** (2013.01 - US); **G01N 33/48** (2013.01 - GB); **G01N 33/48721** (2013.01 - CN EP GB US); **G01N 33/53** (2013.01 - GB)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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